

PRODUCT DATA SHEET

Accinox MBI : Secondary antioxidant

Composition : 2 - Mercapto Benzimidazole

Physical Properties

Appearance : White powder

Sp Gr at 25°C : 1.42 (Typical)

Typical Analysis

| Parameter | Limits | | | Test method |
|---------------------------|---------------|-----|-----|--------------------|
| | | | | ASTM |
| Melting Point | (°C) | 290 | min | D 1519 |
| Loss at 105°C for 2 hours | % | 0.5 | max | D 4571 |
| Ash Content | % | 0.2 | max | D 4574 |
| Methanol Insoluble | % | 0.2 | max | D 4934 |

Solubility

Insoluble in water. Soluble in methanol

Notes on Uses

Accinox MBI as such is seldom used in the rubber industry as it inhibits little ageing properties in rubber compounds.

Accinox MBI is used primarily as synergistic additive for other antioxidants of both amine and phenolic types especially in improving heat ageing resistance and countering metallic contaminations. Typical dosage varies from 0.5 – 1.0 phr depending upon the improvements required in ageing. It however does little help in improving flex – crack resistance properties. MBI is entirely non-staining and non-discolouring.

Storage and Handling

Stable indefinitely under normal storage conditions.

No special handling precautions are necessary. Normal precautions to avoid contact with skin and eyes should be followed. For eyes, flush with plenty of water and seek medical advice.

Packaging

20 Kg. in fibre board drums / H.D.P lined bags.

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Authorised by :
Customer Services Manager